

Figure 1: The Θ^+ mass resolution [GeV/c²] vs. the K_S^0 mass [GeV/c²], which was obtained from the π^+ and π^- invariant mass. The region within the two vertical lines indicate the sample which was used for the estimation of the Θ^+ mass resolution improvement by the kinematic fit.

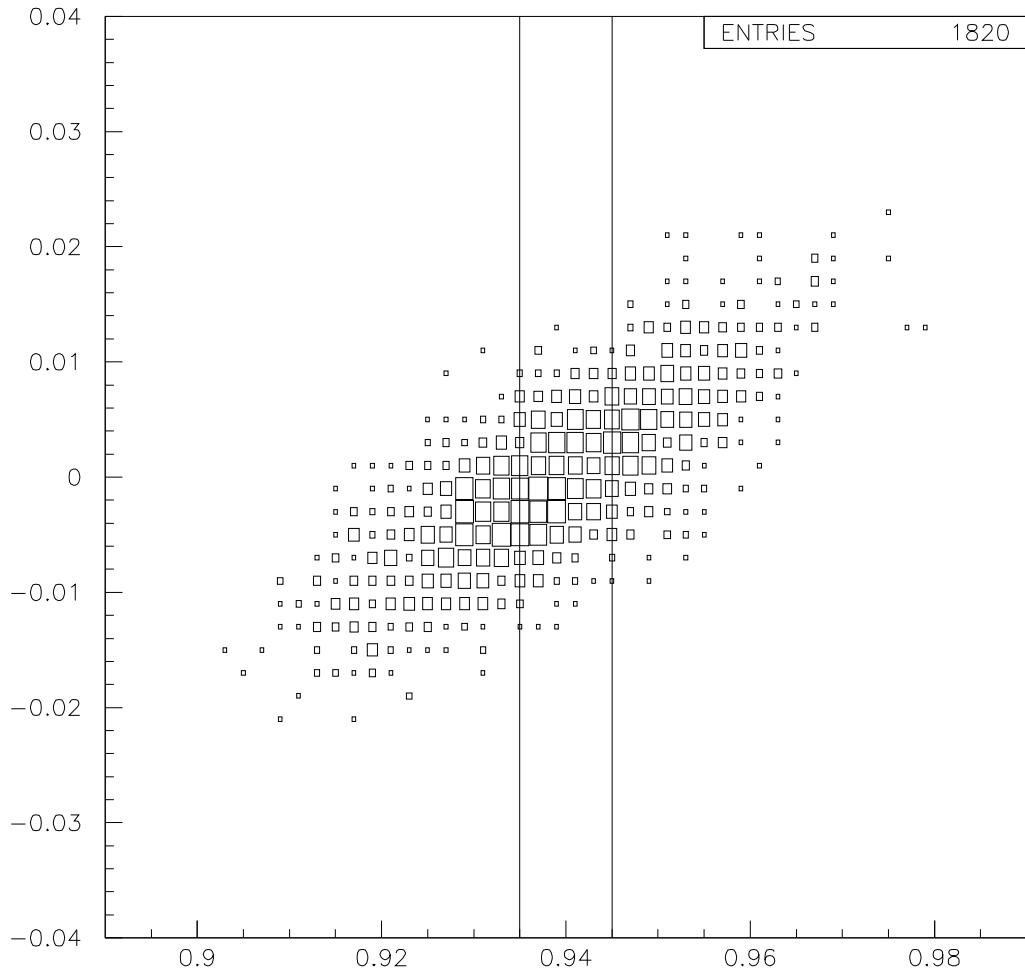


Figure 2: The Theta⁺ mass resolution [GeV/c²] vs. the neutron mass [GeV/c²], which was obtained from the 4-momentum conservation of the reaction. The measurement error of the proton angle was assumed to be 4 degree. The region within the two vertical lines indicate the sample which was used for the estimation of the Theta⁺ mass resolution improvement by the kinematic fit.